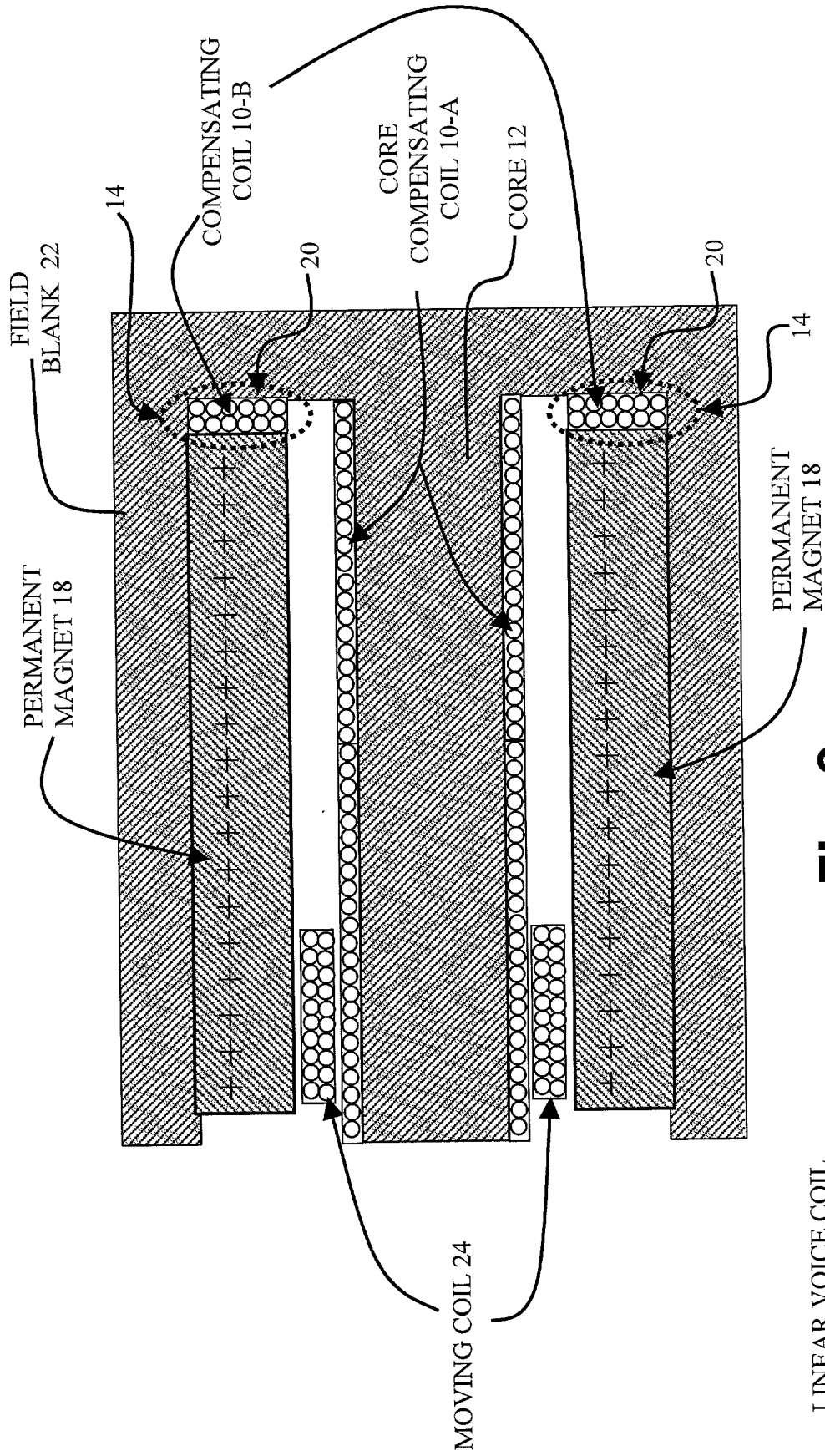


**Fig. 1**

LINEAR VOICE COIL  
CLOSED-ENDED ACTUATOR



LINEAR VOICE COIL  
OPEN-ENDED ACTUATOR

Fig. 2

Compensating coil MMF (Ampere-turns) vs. stroke  
at constant force of a closed-ended linear voice coil actuator

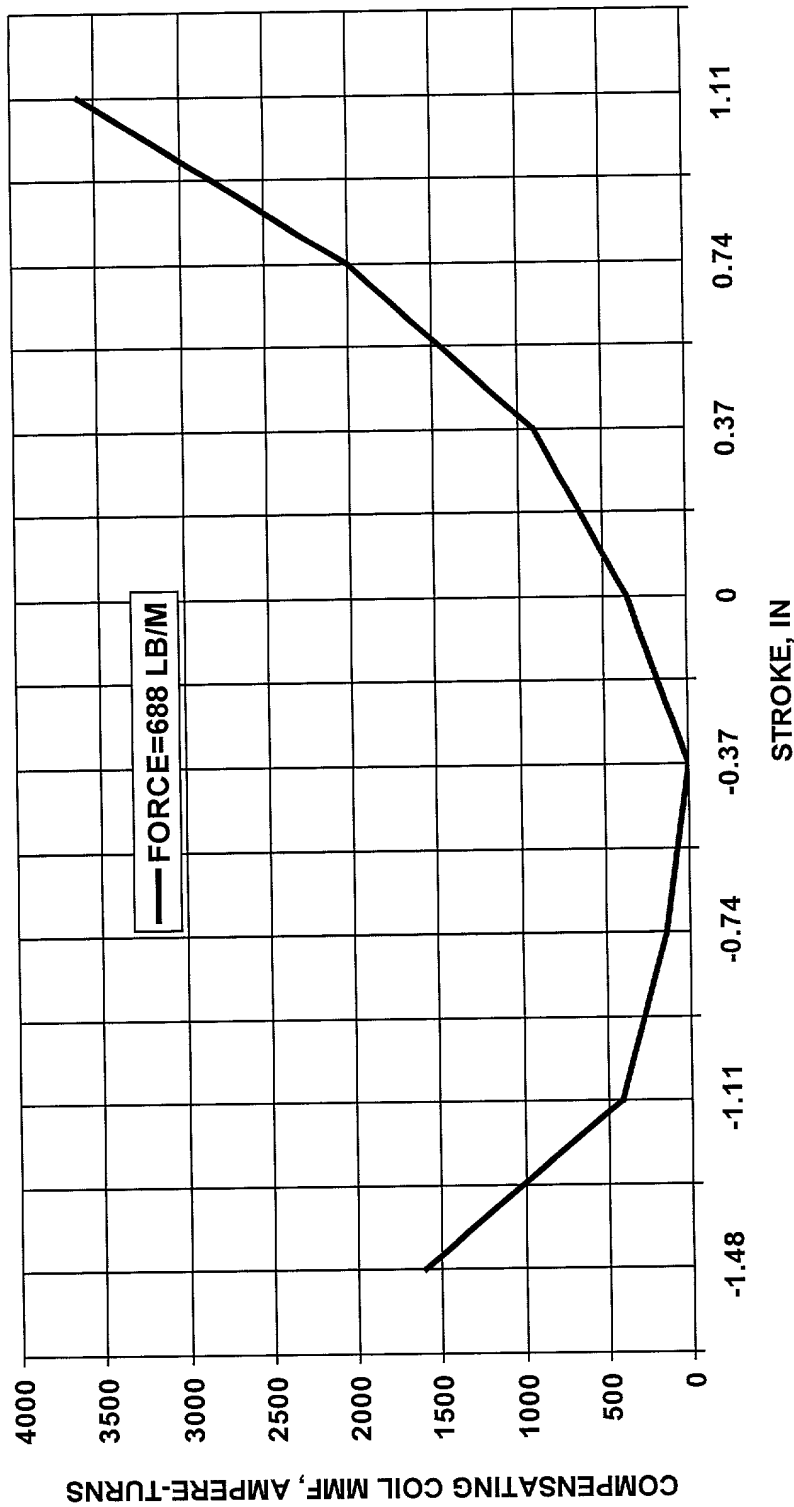


Fig. 3

Core compensating coil MMF (Ampere-turns)  
vs. stroke at constant force of a closed-ended actuator

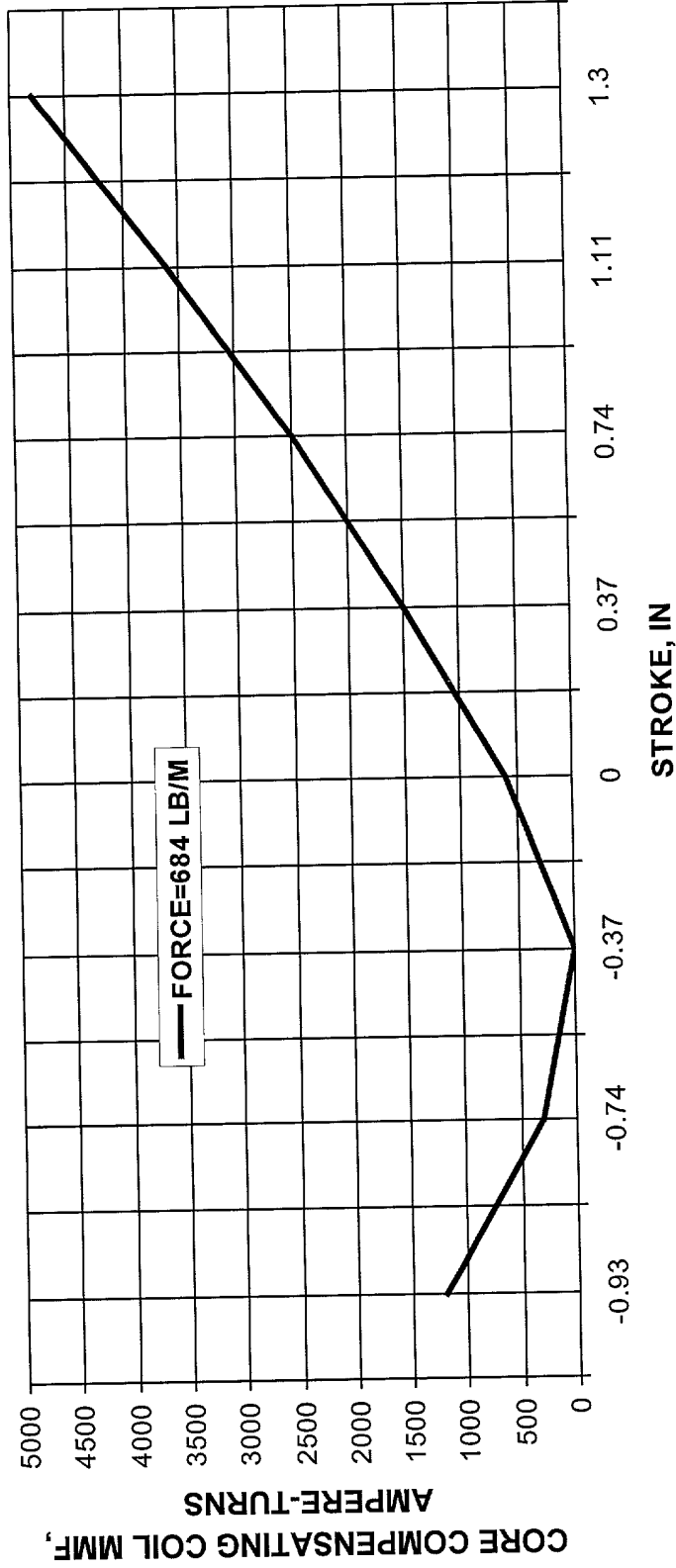


Fig. 4

Force vs. stroke at different compensating MMF (A-T) values  
of a closed-ended linear voice coil actuator

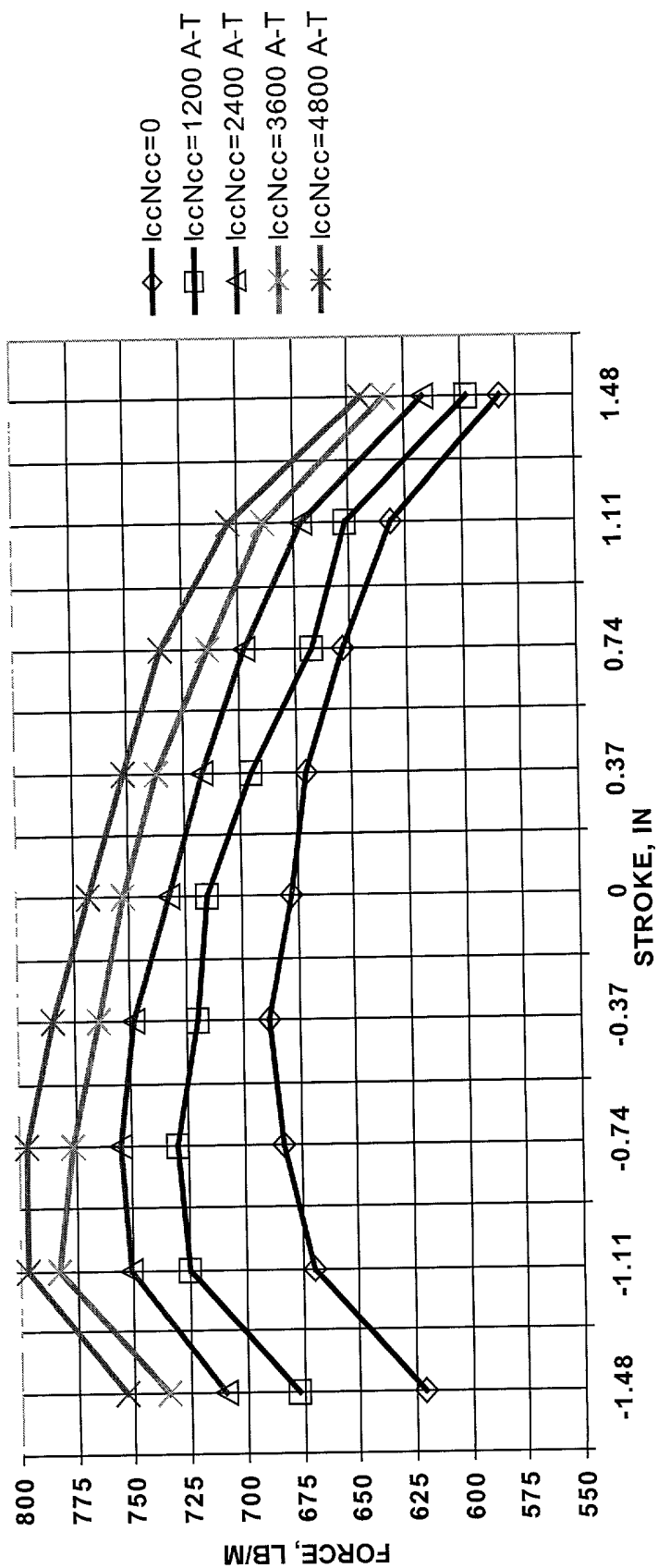


Fig. 5

new Utility Patent Application  
for LINEAR VOICE COIL ACTUATOR...  
Express Mail Label No. EK878571807US  
Attorney Docket No. 2102483-906101  
Gray Cary et al. -GTS/415-836-2576

Force vs. stroke at different core compensating MMF (A-T) values  
of a closed-ended linear voice coil actuator

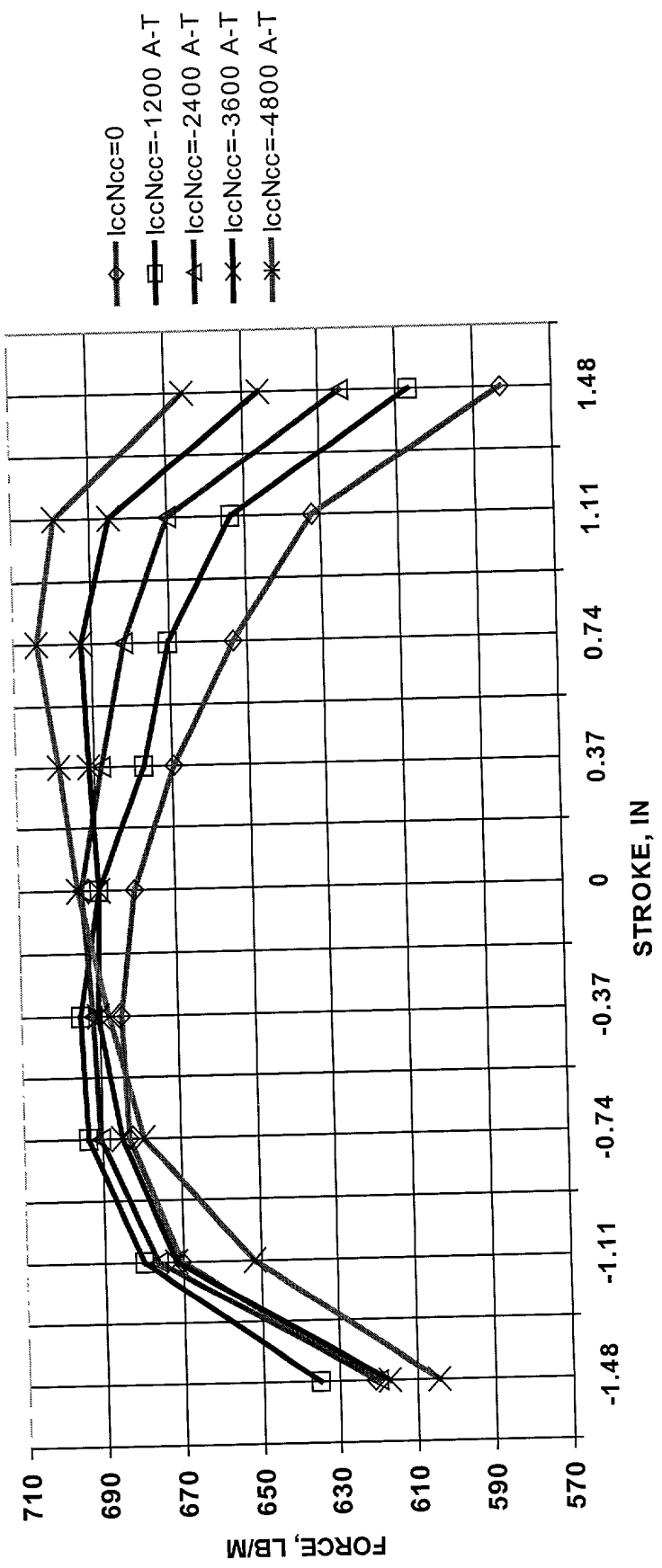
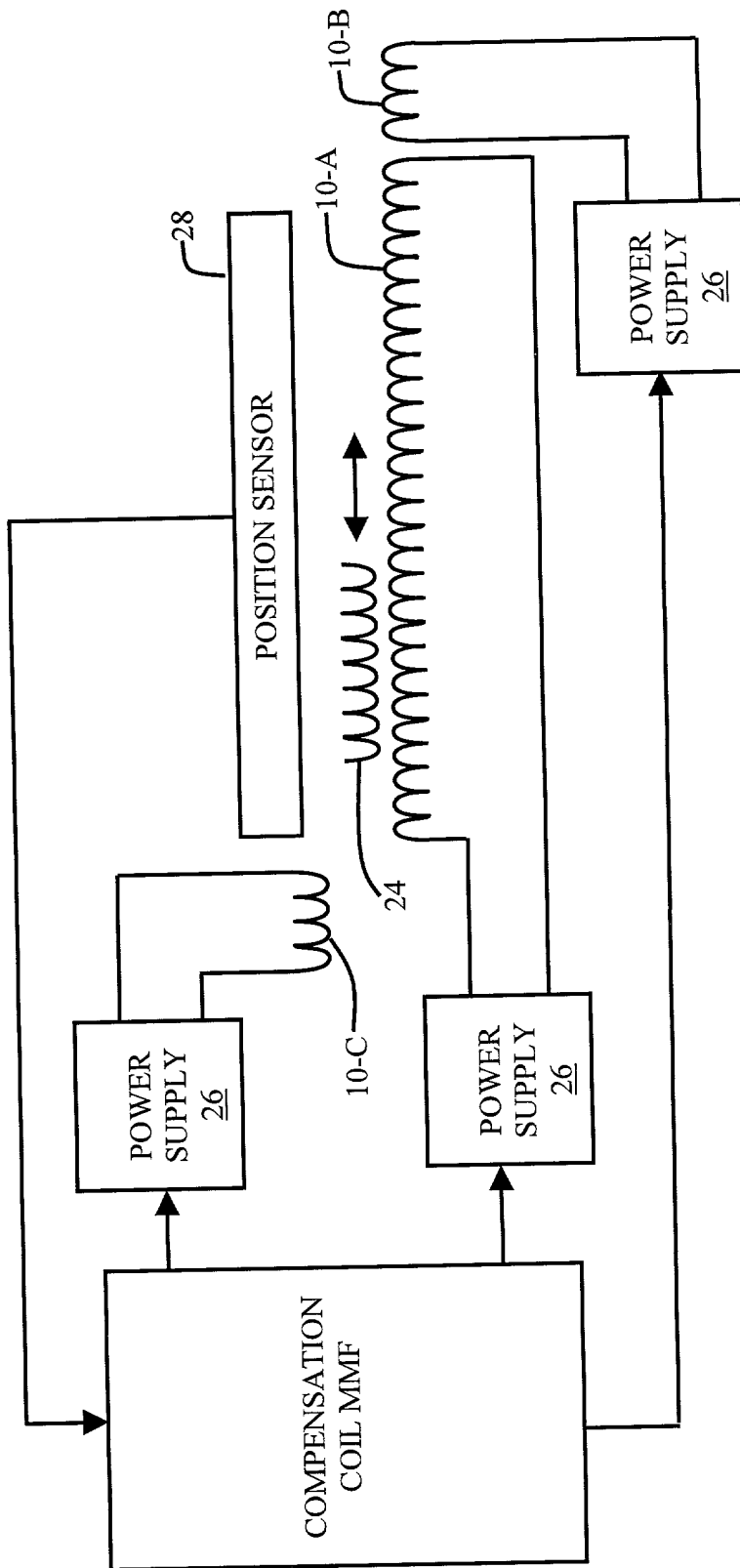


Fig. 6



**Fig. 7**